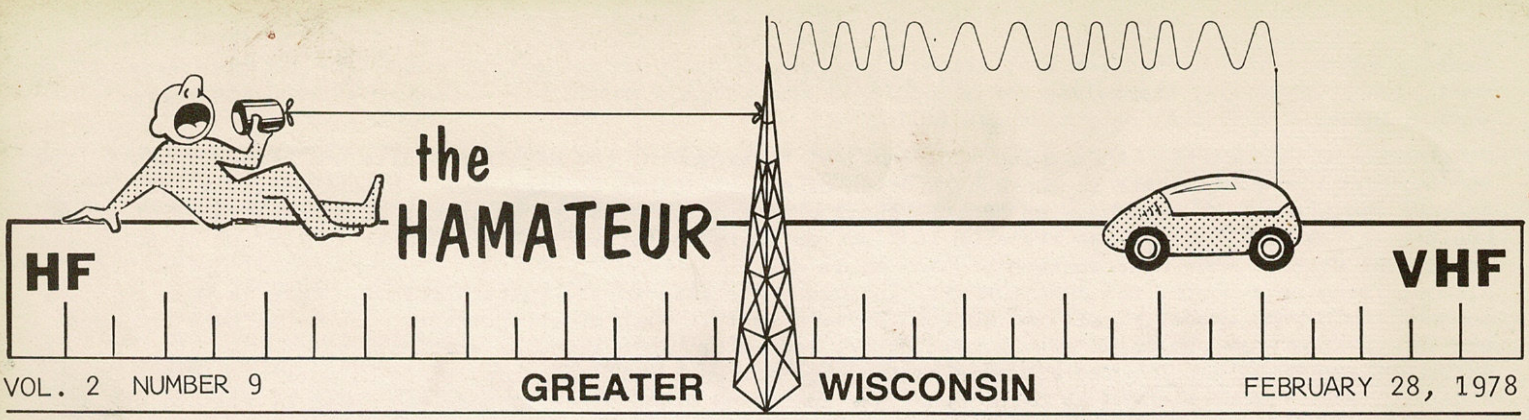

VOL. 2 NUMBER 9 GREATER WISCONSIN FEBRUARY 28, 1978

the HAMATEUR

The HAMATEUR is published monthly for the benefit of amateurs represented by the associated and sponsoring clubs. Reproduction with credit given, is granted for anything appearing within THE HAMATEUR. Deadline date to submit material for the month is the **5th.** Publication date is the 28th.

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WA9 Just Mouthing Off

HAMATEUR ROSTER A roster of all supportive clubs is finally becoming a reality. The roster, either an 8½ by 11 inch or 8½ by 5½ inch with firm covers, will list all members alphabetically by last name followed by letter codes indicating each club they support financially. The roster will list members in each club by calls. The individual club listings will also list their respective officers. The roster should be ready for mailing by the first week in April providing....I receive the phone number of the members from the following clubs: QCWA, TRI-COUNTY, RACINE MEGACYCLE, OZAUKEE, 25/85, 22/82 and the 6 MIC CLUB. I need this information NOW, along with your monthly updates. Telephone numbers not received by press time—the 24th of March—will show 000-0000 in its place. To keep this proposed roster current, the HAMATEUR will print a clip and save up-date each month as received from your club officers. Final details will be worked out and reported in next month's column.

THE HAMATEUR, A PROFIT MAKER?? From time to time, I hear individuals talking about the money the HAMATEUR makes. When asked personally about this and I inform the questioner that the HAMATEUR does not experience a profit, they ask, "Then why do you put out the paper? What's in it for you?"

I would like to take this opportunity to answer that query. The HAMATEUR by design was set up to operate at a loss. The supportive clubs, on an equal basis, are to share in the gathering of printable Amateur material and on a per member basis, share the cost for publication. This cost, broken down, covers the mailing permit, bulk monthly mailing, labels, staples, rubber bands for packaging and above all, the below cost of printing our outstanding magazine. Everything else, the typing, paper, special typewriter ribbons, gasoline expenses incurred while gathering, organizing, and collating each issue, the taking and developing of pictures, the mailing costs, back and forth of prospective material and the time—time and energy spent by the 25 or 30 individuals each month who volunteer to develop and produce this tabloid—is donated.

Their reasons, similar to mine, are to give to the Amateur Radio operators of this state, a publication that is their own, made of original material about themselves and their clubs on matters dealing with every aspect of our hobby in a format publication second to none. Commercially produced, this newsletter would exceed one dollar and fifty cents a month per member. The current $2.40 yearly rate per member, I believe, is quite a bargain. I could go on for a ream of paper on this subject, but I believe you get the picture.

LOCALIZED MULTI-CLUB SWAPFEST Although we have some fine local hamfests around the greater Milwaukee area, I would like to see a major swapfest hosted cooperatively by several of the more solvent clubs in the area. The clubs involved would have to underwrite the initial cost of renting the facilities at the Wisconsin State Fair grounds. The proposed Ham function would run from Friday night until Sunday during the end of May or the early part of December. The large facilities and three-day affair should attract many of the major commercial Amateur equipment manufacturers, who would hopefully send representatives and sample wares. If the idea is appealing, talk it up among your club members and use the HAMATEUR to coordinate the event.

FAREWELL TO A FRIEND The HAMATEUR joins the many amateurs expressing their sorrow in the passing from our rank of George Ruger, W9DVD. George was one of the individuals who believed in the HAMATEUR from its infant stage and was most influential in the decision of The Milwaukee Radio Amateurs' Club and the Wisconsin Chapter of the Quarter Century Wireless Association groups to join our family.

George, among his other contributions, was co-founder of the CQ Third Tuesday luncheons held at the Chef

America restaurant...a function that allows those who normally do not attend night-time get-togethers, to meet, lunch, and enjoy themselves for a couple of hours once a month.
George leaves a void that only time can fill.

INVITATION TO PARTICIPATE In keeping with our goal of expanding the HAMATEUR's size and scope, I would like to invite you to participate in the contribution of material that appears here. Almost anything relating to Amateur Radio would be welcome. An article about a particular piece of equipment or an experience of yours would fill the bill nicely. We are also looking for Technical items. We would like to run two or three each issue, but we need your contribution of same to do so.
Also starting next month, the HAMATEUR will include a "Letters to the Editor" column. Here is your chance to get it off your chest. I will be looking forward to this with great interest. Grab your pens and paper and let us know what you think of the newsletter, repeaters, low bands, or what have you.
AMATEUR EXAMS IN MILWAUKEE The FCC examinations for Amateurs will be conducted in Milwaukee on March 30 and June 22, 1978. Those wishing to take one of the upgrading exams close to home may do so by filling out a form 610 requesting to take the exam at Milwaukee on one of the above dates. The exams are given in room 106 of the Federal Building, 616 N. Jefferson, Downtown Milwaukee. The completed form should be sent to: FCC, Field Operations Bureau, 230 S. Dearborn Street, Room 3935, Chicago, Illinois 60604. Send no money. You will be notified by return mail when your appointment is slated. Remember to file at least 15 days before the above date of your choice. Thanks to the Yellow Thunder's Smoke Signals for this information.

73's, Larry McCalvy, WA9JMO

CLUB News

147.87 IN — LAKESHORE REPEATER ASSOCIATION — 147.27 OUT

MEETING The next regular meeting of the Lakeshore Repeater Association will be held April 25, 1978, 7:30 P.M., Red Cross Building, Racine, Wisconsin.
REMINDER 1978 membership renewals were due January 1, 1978...charter members, $5.00; regular membership, $10.00. If you have overlooked the date, submit dues to club secretary, Fern Fisher, 1636 Grange Ave., Racine, WI 53405.
HAMFEST REVIEW The Waukesha Hamfest was well attended by Kenosha and Racine Lakeshore members. It was great fun to shed the confining shackles of winter for a few hours, to bask in the warmth of good fellowship, to actually make the promised eyeball QSO. And last but not least, there was the opportunity to test our skill at outwitting the buyer or seller, depending on which side of the table you were on.
One person who had cause to complain is Nancy Eschmann, very pretty XYL of Joel, K9MLD. It seems Joel, accidently, shut a door on Nancy's hand as they started out for the day. However, Nancy remained composed and in spite of her pain, joined with her husband in the activities of the day.
WORD INTERPRETATION Of late, much repeater conversation is on the subject of ELF's and RAMS. No, the boys are not seeing little green men nor are they discussing the big daddy of a sheep herd. Actually, the subject of discussion is a low cost computer system, which is creating much interest in the Racine-Kenosha area.
WRATH OF THE ELEMENTS Amateurs of the mid-west were awakened on the morning of January 26, 1978, by the sound of 35 to 40 mile an hour winds, with snow, whistling thru the stacked eleven's and the tri-banders. Results: blocked roads, short tempers, blisters on the hands, lost hours of work and vehicles that could not move regardless of horsepower. This grim situation necessitated declaration of a snow emergency. A snow emergency net was activated on the Lakeshore Repeater by W9HAG, Phil Neumiller. The Emergency Service Co-ordinator was K9UUT, Rees Roberts. Fifty-two persons were checked in and indicated they were available to help if needed. WA9TPQ, Bill Erickson, was dispatched to Emergency Services Hdqrs, to set up communications for co-ordination between the amateur net and the emergency services. Net Control duties were shared by WA9HAG, WA9YTH and K9UUT.
During the snow emergency, WB9OTN, Bob Ostman, and WD9AXU, Vernice Ostman, were called upon to administer first aid to a heart attack victim. Proper procedures to be used until the Rescue Unit arrived, were passed to the Ostman's via the net by WB9YFU, Tom Christensen, officer in the Racine Police Dept. We are sorry to report that the all-out effort of everyone concerned was to no avail as the gentleman was pronounced dead upon arrival at the hospital. At the January 31 meeting, the Ostman's and Tom Christensen were awarded a commendation certificate by the Racine Office of Emergency Services for their all-out effort.
JANUARY 31 MEETING Meeting was well attended. The membership was informed that the Red Cross is interested in purchasing the Lakeshore Repeater equipment for the sum of $1.00. They will provide free rent, utilities, pay for the phone line now installed and also pay the system insurance. The Association would have to maintain the system and pay for parts. The proposal states the Association can buy back the equipment at any time again for the sum of $1.00. Under this plan the Red Cross will have a reliable system with adequate manpower for emergencies and the Association can use its membership funds for improvements or any other purpose the membership decides. The above proposal and whether the members want to install auto-patch will be voted on thru mail ballot. Full explanation will be submitted along with the ballot. Read, weigh, discuss, vote.
Reminder: only ballots from paid-up members can be counted.
NOTICE Check with Rees Roberts, K9UUT, for details on proposed April 4 activity. If the plan materializes, he will need equipment and manpower. 73, Fern, W9LCJ

TRI-COUNTY AMATEUR RADIO CLUB

Our swap-fest, formally held in Whitewater, Wisconsin, will be located this year in the new activities center at the Jefferson County Fairgrounds in the northwestern corner of Jefferson, Wisconsin, Sunday, March 19, 1978. Reserve six-foot tables are $2.00 in advance, limit of three...reserved space for your table, $1.00. There is plenty of room. Tickets are $1.50 in advance and $2.00 at the door. For tickets, space and/or table reservations, contact Glenn Eisenbrandt, WA9VYL, 711 East Street, Fort Atkinson, WI 53538. SASE, PLEASE!
Talk-in on 94 simplex. Repeaters will be monitored by those attending.
Our Christmas party was held at the Fireside Restaurant in Fort Atkinson with some excellent entertainment provided by Clyde Dowing, W9HSY. The next meeting will be a short one at the close of the swapfest activities.
Our code and theory classes have started again and an effort is being made to gain new students. The local high school electronics instructor, who is trying to get his code speed up, has established a course for credit in Ham radio at the school. If you get your novice ticket, you get the credit; if you don't, you get an "F". I hope he doesn't have to give himself an "F". He has eight trying for the ticket.
The "Fort" is getting to be a good "ham town" with at least 10 locals; but we can always welcome more.

73, John Satterlee, WA9SAB

146.25 IN **MILWAUKEE COUNTY REPEATER SOCIETY** **146.85 OUT**

MARCH MEETING PLANNED The March meeting of WR9ABS has been scheduled for Tuesday, March 21, 1978, at 8:00 P.M. SHARP...to be located at Nino's, 3400 S. 108th, (next to Doucas Oldsmobile). A good time is planned for all that attend. Members note that this will be the first meeting run by the new club officers.
WR9ABS MAILING ADDRESS Any correspondence to the club or payment of dues (dues for 1978 were payable by January 31 and are currently $12.00) should be addressed to: MI.CO.R.S., P.O. Box 18443, Milwaukee, WI 53218.
UPDATED AUTO-PATCH RULES AND TIPS NOW BEING PREPARED All current society members will receive in the next few weeks a new updated copy of the club rules concerning auto-patch rules. Copies will be passed out at all club meetings or sent to those members that are unable to attend the club's meetings.
Members should remember that if they have to move their portable radio or car to "key" the system, they are probably too noisy to reliably use the auto-patch. If in doubt, ask for a signal report or better yet, wait until you are closer to the system if possible.
WR9ABS ID'ER NOW HEARD ON TWO LOCAL REPEATERS For those people that have the capability of using RTTY, and any other interested people, Dave, W9CGU, who is the trustee of the 25/85 machine, has purchased the 146.10/70 RTTY repeater. Dave, who holds the WR9ABS license, purchased the repeater from Jerry, K9HXA, and has it on the air from his home location.

73's, Bill, WB9EFP

146.31 IN **MILWAUKEE REPEATER CLUB** **146.91 OUT**

1978 Officers Elected The new slate of MRC officers elected at the January 25 annual meeting are: President—Nels Harvey, WA9JOB; V. Pres.—Ken Forbord, K9BKJ; Secretary—Lynn Tamblyn, K9KR; Treasurer—Chuck Engler, WA9SUZ; Activities Manager—Jim Goodman, WB9TCX. President Harvey announced that the final payment was made to W9VAT and WB9AIS for the repeater equipment. This completes a commitment made 3 years ago to purchase the Radio Specialty repeater, Sinclair duplexer and associated equipment.
It was through the generous foresight of John Lefeber and Dick Robbins that made 2 meter FM so popular in Milwaukee today. Seven years ago, there was no wide coverage open repeater in Milwaukee. The help of these two hams enabled the Milwaukee Repeater Club to come into existence with a reliable repeater that serves a larger population base than any other system in Wisconsin.
TONE ACCESS The WR9ABM machine is equipped for tone burst access. In the event of excessive interference from stations not intending to use 31/91, control operators may command the repeater to tone access. This mode requires an 0.4 second burst of 2250 Hertz tone to bring the repeater up. It is suggested that all users equip their station with this capability.
REPEATER MAINTENANCE The repeater was off the air for 15 hours due to a faulty antenna change-over relay. The relay is used to bypass the amplifier when operating in the low power mode. Repairs were also made to the voice ID/time as well as the tone control module.
NEW CONTROL OPERATOR Dan Burrows, WB9DCX, is a new control operator for WR9ABM. The present control operator staff consists of Norm, WB9PCQ; Nels, WA9JOB; John, W9VAT; Al, WA9RYO; and Dan, WB9DCX.
MALICIOUS INTERFERENCE SOLVED The MRC QRM committee headed by WB9PCQ located the station transmitting profanity over WR9ABM in the early morning hours of January 29. The QRMer is a local ham, not a member of MRC. His activities were reported to the FCC.
There are still several unproven cases of malicious interference. The suspects include 3 hams and one bootlegger. Their operations have caused problems on other systems as well.
JOINING MRC You may support the Milwaukee Repeater Club by sending $10 dues to MRC, P.O. Box 2123, Milwaukee, WI 53201. Include your call, family member calls and your phone number.

Al, WA9RYO

MILWAUKEE RADIO AMATEURS' CLUB welcomes interested persons to attend their regular meetings held on the third Thursday of each month (except July and August) at 7:30 P.M. at Wauwatosa Savings and Loan Building at 7500 West State Street. Plenty of parking. We are in our 60th season! Preceding each meeting, in the period 7:00 to 7:30 P.M., the instructors from our school offer aid to beginners and others with Ham radio problems. For our regular meeting on Thursday evening, March 16, 1978, 7:30 P.M., MRAC presents Mr. Allen Eichstaedt, Chief Engineer, Milwaukee Electronics Corporation.

Mr. Eichstaedt is involved in the design of sophisticated power supplies for computers and business machines and the design of industrial electronic controls.

Mr. Eichstaedt will address the Milwaukee Radio Amateurs' Club on: *The Design of Power Supplies With Integrated Regulators* (A) TRANSFORMER SELECTION (1) Voltage required to support regulators (2) RMS current in transformer windings. (B) RECTIFIER & FILTER REQUIREMENTS (1) Ratings of rectifiers (2) Capacitance necessary (C) REGULATOR CONSIDERATIONS (1) Adjustable regulators (2) Three terminal regulators (3) Stability considerations.

Good news is always easy to report—but it is my sad duty to report the passing of one of our staunchest members, George Ruger, W9DVD, on January 31, 1978. His voice will be greatly missed. George was very active in club affairs and a life member.

COMING EVENTS March 4 & 5: The Milwaukee Radio Amateurs' Club ably assisted by the Wauwatosa West High School Radio Club and the Amateur Radio Emergency Service announces an Amateur Radio Publicity and operational display at the Mayfair Shopping Mall on Saturday, March 4, 1978, from 8:00 A.M. to 5:00 P.M., and on Sunday, March 5, from 12:00 noon to 5:00 P.M., any and all volunteers gratefully accepted.

April 20: Mr. Paul M. Cornell, W8EFW, from the Bird Electronics Corporation—the RF Power Measurement people.

May 18: Annual MRAC Auction Nite

June: Field Day—Contact Howard Traxler, WA9RYF

THE WISCONSIN CHAPTER
QUARTER CENTURY WIRELESS ASSOCIATION, INC.

As I sit here composing this news bit, I am saddened by the passing of one of our charter members, George Ruger, W9DVD, on Tuesday evening, January 31, 1978. George was very active in our group, having composed the Constitution and By Laws during our formative months, and helping with or arranging for many of the semi-annual meetings. His efforts will be greatly missed, but his spirit will carry on.

Our fellow members Wes Correll, W9FY, before Christmas, and 'Teen Norbury, W9LUB, after New Year's Day, were stricken with heart attacks. We are happy that Wes is home and back on the air, and that 'Teen' is out of intensive care and is using 31/91 while still in the hospital.

In President Gartsman's, W6ATC, letter #4 he states that QCWA National has been designated as a non-profit organization by the IRS. It is now possible to deduct your National QCWA dues from your tax computations.

The National 1978-1979 Roster will be pulled for members paid up as of April 1, 1978.

Don't forget the Miller Inn Beer Party on April 14. A reminder notice along with our Chapter Roster will be in the mail March 15. Our Spring Meeting in Green Bay will be on June 3, 1978. 73, Travis

3940 KHz OZAUKEE RADIO CLUB, INC. 146·37/97

MEETING The next scheduled meeting of the Ozaukee Radio Club is March 9, 1978, at 7:30 P.M. at the Cedarburg CD Shelter. The repeater group plans a meeting for the same night to start at 7:00 P.M.

1978 CLUB OFFICERS The January meeting was election night and elected officers are: President—Ed Bach, WA9BMA; Vice President—Ron Yokes, W9BCK; Secretary—Barry Anderson, WB9SFK; Treasurer—Herb Roehner, WA9UVK; Repeater Vice-President—Jeff Klopp, WA9USA; Activities Manager—Terry Berg, WA9AWO

SPECIAL THANKS goes out to two out-going club officers, whose concern, cooperation and professional handling of their responsibilites made our Assocation a very workable situation. Resignation was due to increasing personal job responsibilities; so to Gene Musbach, WB9RQW, and Russ Schreiner, WB9PAS, many thanks for a job well done.

W9FY who suffered a recent illness, is now home and it's hoped that a speedy recovery comes of it.

73, Barry Anderson, WB9SFK

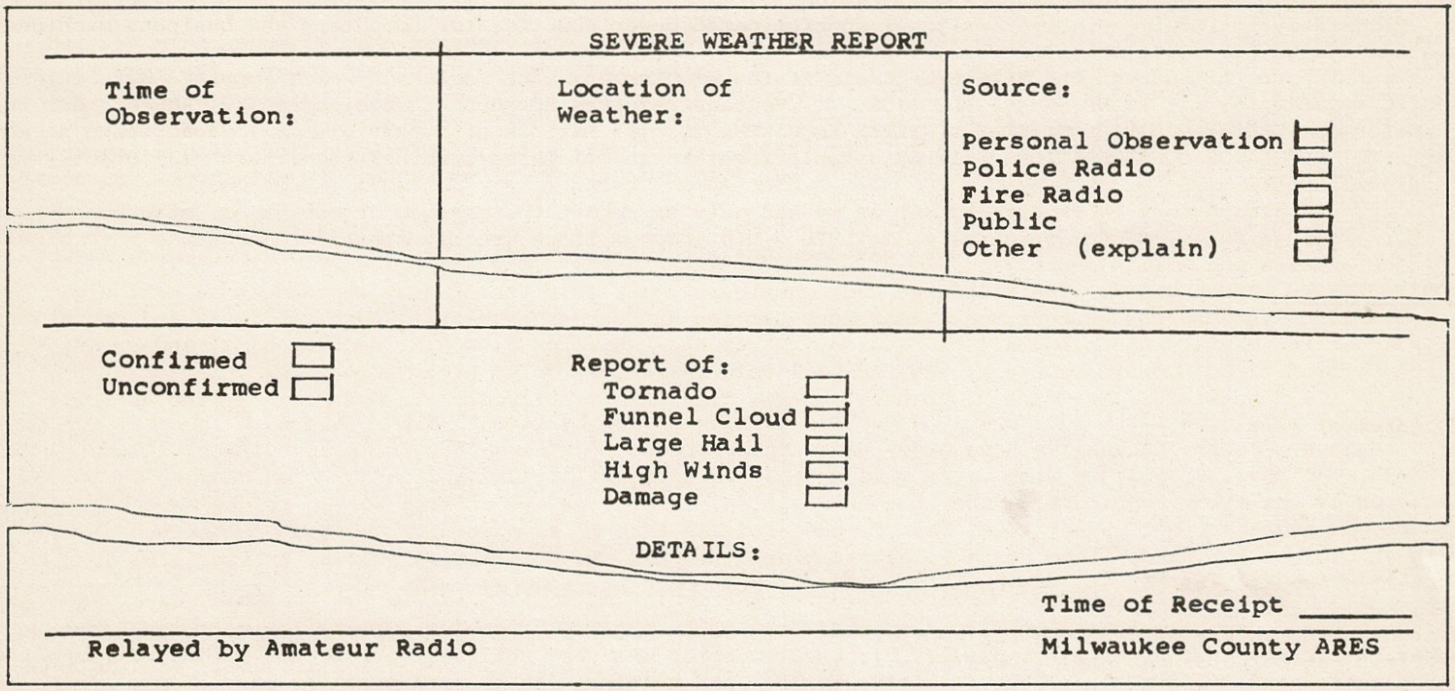
146·07 IN MILWAUKEE COUNTY AMATEUR RADIO EMERGENCY SERVICE 146·67 OUT

Meeting: Tuesday, March 7, 1978, at 7:00 P.M. at the Red Cross Building at 26th and Wisconsin Avenue

Nets: The weekly ARES net is held Monday night at 9:00 P.M. on 07/67.

As you read this, spring will be just around the corner and with it comes a new season for severe weather. Mr. Elroy Jageler, Chief Meteorologist at the Milwaukee Weather Service, has consented to speak to us at our May regular monthly meeting. May 2 is, however, well after the beginning of the severe weather season. If my memory is correct, the 1977 Brookfield tornado was April 2! So the emphasis of the May meeting will be review, with (probably) references to specific examples drawn from April!

In order to fill the gap, the following is intended as a review of the highlights of our severe weather procedures. You should have available a copy of the Severe Weather Communications Plan which goes into more detail. Pick one up at the meeting, or contact me and I will mail one to you.
Reproduced below is a copy of a reporting form which has been developed for ARES use during severe weather alerts.



As you can see, there are basically four large blocks—each of which calls for information of a specific type. This format acts as a self-enforcing checklist. If one of the blocks is not filled in, a piece of data is missing and the operator is reminded to ask for more information. You will find it handy when reporting severe weather.
The first block "Time of Observation" is extremely important. It is vital that the person making the observation and all those who relay his report take pains to be sure that the time is recorded and is accurate. The Weather Service keys on the time to determine location and speed of the storm. An error on the time of observation throws the calculations off and serves only to make the forecaster's job harder. Also, if a second report of a previously reported incident is delayed on arrival, an accurate time will result in the forecaster correctly identifying it as a duplicate. If the time is materially different, he may be confused into thinking that it is a wholly new incident and he will be set off on the wrong track.
The "Location of Weather" block is also important. But here the emphasis should be on easily identified geographical features. Therefore, when reporting locations, use major towns or highways as your reference points. Names change, maps get old and sometimes it is almost impossible to identify a location. The reporting operator may have taken pains to be sure he located the observation with extreme accuracy only to find that his effort is contraproductive because no map available at the Weather Service shows the location reported. To sum up, when reporting locations, use geographical features easily found on a highway map.
The "Source" block is important because it identifies the report as first hand or second hand. The idea here is that if an amateur makes a report, it will probably be reported once only and should be marked as a personal observation on the form. A report picked up from police or fire radio will very likely also be reported directly to the Weather Service via the usual channels (probably the NAWAS line). Thus there will be duplicate reports of the same incident and our report should make that clear. When you report, be clear as to the source of the report.
The large block in the lower half of the form is for the actual weather observed. It bears repeating that the Weather Service is interested in five types of reports only. They are: (1) Tornadoes on the ground (2) Funnel clouds aloft (3) Large hail (1/2" or larger) (4) High winds (50 mph or greater) (5) Actual damage

It is important for you as the potential weather observer to remember that only the five items listed above are requested. Reports of the passage of the storm, rain, small hail or moderate winds are <u>not</u> desired and can only slow down the process of copying reports from other stations. Please note that 50 mph winds may be recognized as wind which impedes walking, breaks small branches from trees and causes slight structural damage to buildings. Reports of more moderate winds are not necessary.
I hope that the foregoing has helped to refresh your recollection. You should clip this page and keep it handy for quick reference in the event severe weather develops.
Be sure to check into the weekly nets because I intend reviewing our standard procedures over the air. If you don't have a copy of the Severe Weather Communications Plan, be sure to get one and master its contents.

John, WB9SMM

Well, January was a very quiet month for us; no repeater trouble, no antenna trouble, no trouble trouble. This quiet month has allowed time to reflect back on the past year since the repeater project was begun. I can remember many frustrating moments in building the repeater. How can you describe the emotions felt when the experimental repeater is brought up, cycles once, and then blows up all the CMØS chips in the control? Can you describe the agony felt when after working on it all day, you discover what's wrong, only to find that you don't have that part in your junque box? Of course, there were the better times, like when the first distance tests were made and we got out—for all of two miles—but never-the-less, those two miles were like 2000 to us. Then there was the first mobile to mobile test "it is really working". All this was a long time ago (in the life of the repeater) and a lot has transpired since; a lot of pleasure from using a product of your creativity. I guess that is what the whole building and experimenting venture is all about; personal experience and satisfaction.

Even though this has been a quiet month, it doesn't mean that "next week" has arrived for our "list of things to do". It merely means that "next week" has been put off indefinitely.... Scott Freeberg, WB9WFA

THE 147.60/00 MACHINE IS MOVING

On March 1, 1978, the 147.60/00 autopatch machine will be moving to 147.015/615. This move is necessary for many reasons. First, because we have experienced interference from repeaters in Arlington Hts, Illinois, and Hammond, Indiana. Second, we wish to improve the coverage of the machine and on 60/00 we cannot, due to the location of the other repeaters on the same frequencies. Third, we are closing access to the repeater. This has become necessary because of local interference and the lack of support from the ham community. If you wish to use the autopatch after March 1, please contact any of the following: WB9OJD, Erling, 2181 S. 85th Street, Milwaukee, WI 53214; WB9TCX, Jim Goodman, on either the 31/91 or 25/85 repeaters; or WB9YFV, John LaPorte, phone number 282-5960.

Reason three was the main reason for my decision. I feel there are many ungrateful people in our area. When we first put 60/00 on the air, it was an open-access autopatch that anyone could and did use. We didn't require you to join, but we didn't turn down donations either. Many of you good hams did donate, and to you I say thanks. But why should the 20 or 30 of you pay for another 20 or 30 freeloaders. If those individuals can afford three or four hundred dollars for radios, I feel a donation of 10 or 15 dollars would not be out of line. Also, when the autopatch was down for repairs, they were the ones who cried the loudest.

I'm proud, along with WB9OJD, WB9YFV, WB9WKR, WB9WKQ, W9VKC, WB9KYR and the many others who have contributed, to have provided the service to the Good Hams on two meters. Rather than scrape to pay the bill, we will now require dues for our users. So as of March 1, users of our machine will be those who have received the approval of the board of directors and paid their dues. Jim Goodman, WB9TCX

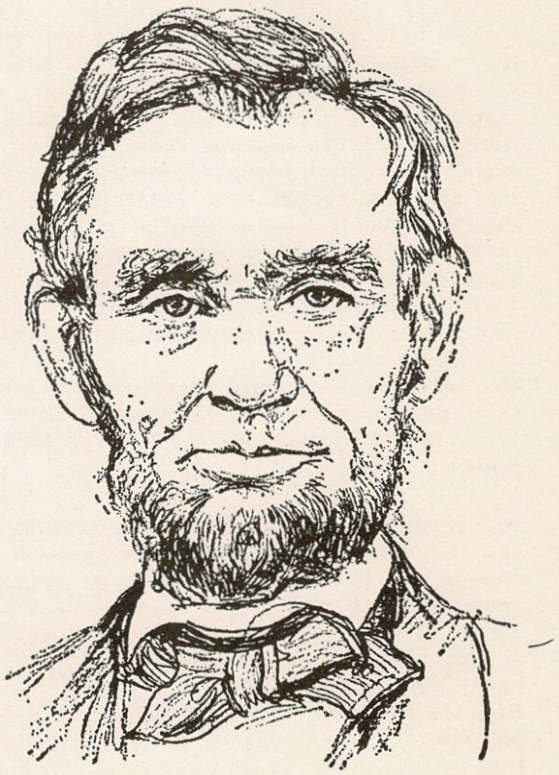
General Precision Electronics Inc. (414) 261-8148
207 Rhine Street — P. O. Box 216 — Watertown, Wisconsin 53094

SPECIAL YEAR END CLOSEOUT

	REG.	SPECIAL
HyGain # 3806 Handheld	189.00	149.00
Standard Horizon 2 25W Rch	300.00	199.00
Standard 146A Handheld	319.00	229.00
KLM MULTI 2700 AM,FM,SSB	795.00	629.00
KLM MULTI 7 10W 23Ch (5 Incld)	249.00	179.00
KLM PA 30-140B Power Amp (2Mtr)	179.00	144.00
KLM PA 2-12B Power Amp (2MTR)	59.95	39.00

Litronix Digital Watches Womens Silver/Men's Gold 20.00
Whites Metal Locators - Various Models LOW LOW PRICES

ALL UNITS NEW WITH FULL FACTORY WARRANTIES. HURRY! QUANTITIES LIMITED. SEND CHECK OR M.O. WE SHIP U.P.S.



Classified Ads

Advertising Rates effective for January, 1978, publication: Non-commercial ads are $.10/word including abbreviations and addresses. Commercial type ads appearing in this column are $.25/word. Complete phone numbers are considered as one (1) word. Ads will be published for two (2) consecutive issues. Unless otherwise noted, phone listings are considered as local Milwaukee numbers. Full remittance must accompany ad copy. To insure the maximum success of "FOR SALE" ads, all items must include the asking price. **Closing date** for ads is the 2nd of the publication month. **Direct ad copy and remittance to: Don Habeck, W9AMM, 5973 Sugarbush Lane, Greendale, Wis. 53129. Make all checks payable to THE HAMATEUR.**

FOR SALE: Regency HR-2A interfaced with a factory wired GLB synthesizer. Included are 5 sets of crystals: 94 & 52 simplex and 31/91, 25/85 & 16/76, along with a 70 db filter. The above is set in and on the side of a PortaPak carrying case which holds a 12 volt motorcycle battery and charger. A detachable touch-tone phone pad set in a spectronic case goes along. Asking $315. Contact Larry McCalvy, WA9JMO, at 464-7449.

FOR SALE: Genave GTX10 2-Mtr xcvr, 10-watt, 10-channel with factory netted crystals; $150. Also: Heath HW-12; $75. Contact Jim, K9WYB 481-2371

WANTED: T-4X Series transmitter and AC supply, HF vertical, 2-mtr handy talkie, and 2-mtr amplifier. Contact Howard Kaufman, WA9TOP, 2948 N. Murray St., Milwaukee, WI 53211 963-9172

FOR SALE: Standard HT-146A, 2 months old, touch-tone and extras; $285 firm. Drake 2 mtr. Drake TR-22 w/ touch-tone mic & extras; $150. Call 246-6690.

FOR SALE: Motorola HT 220 set up for 2 meters; $400. RCA 4 channel pocket scanner with repeater crystals and Ni-cad batteries; $60. Regency ARC-10R 10 channel scanner loaded with 2 meter crystals. Scanner covers 5 bands; $100. Contact Marlin, WD9AXH, at 354-1650.

FOR SALE: Mint 75A4 and KWS-1 Collins matched pair, both late models 3704 and 484. Asking $1,300 or best offer. Must pick up. Call on 31/91 or write: Bob, WB9WSH, Rte 1, Box 599, Salem, WI 53168

FOR SALE: Johnson Viking 275 match box with cables and Knight SWR/Power meter, covers 10-80 meters. Asking $65. Contact Larry McCalvy WA9JMO at 464-7449.

FOR SALE: Get your after Christmas gift. Drake R4-B receiver; $325. Contact Karl Hansen, WB9UUD, 3311 Conrad Dr., Racine 634-5312

FOR SALE: 3000-volt, 750 ma transformer; $45. Capacitor, 50 mfd, 3200 volt; $15. Contact Clarence Wahner, W9YYY, 354-8093.

FOR SALE: Motorola 220, 6-freq. (Milwaukee & Racine), whip, rubber duck, 50-ohm adaptor, 4 X 4 touch tone pad, external mike equipment, charger, back clip, complete manuals. Call Dave (WB9WNF) up to 11 P.M., Racine 554-6348.

FOR SALE: Kenwood TS-700A, 2-mtr rig; $435. TPL Model 1202, 2-mtr amplifier; $90. Heathkit HW-12A 75 mtr ssb rig; $60. Cushcraft A14-VPK, phasing harness for twin four 2-mtr beams; $10. Contact Jeff, WA9USA, Port Washington 284-4639

FOR SALE: ICOM-230 synthesized with TT pad and PL; $285. Heath SB-104 with matching power supply; $600. Contact Rod, WB9AZH (Waukesha) 544-9647

FOR SALE: IMSAI 8080. Sales 4K; $350.00. Bill Dollase, W9LFG, Racine 554-6217

the HAMATEUR

EDITOR: Larry McCalvy WA9JMO
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FEB. 1978

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Meeting Notices

07/67	Mar.	7	Tuesday
Ozaukee	Mar.	8	Wednesday
6 MIC	Mar.	8	Wednesday
Racine	Mar.	13	Monday
MRAC	Mar.	16	Thursday
Tri-County	Mar.	19	Sunday
CQ3TUE	Mar.	21	Tuesday
25/85	Mar.	21	Tuesday
22/82	Mar.	23	Thursday
87/27	Apr.	25	Tuesday
QCWA	June	6	Saturday
31/91	OPEN		

Upcoming Events

March 19.....Jefferson County Swapfest
March 30.....Amateur exams in Milwaukee
April 9.....Madison Swapfest

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